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53 Haddonfield Road, Cherry Hill, NJ 08002 • (609) 482-0222

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION  
EPA CONTRACT 68-01-7367

MEMORANDUM

TO: Charles Dispoto, OSC, U.S. EPA, Region III PCS# 1177  
THRU: Richard Habrukowich, TATL, Region III *(initials)*  
FROM: Mike Wilson, TATM, Region III *(initials)*  
SUBJECT: Eastern Diversified Metals Trip Report  
DATE: July 31, 1987

ORIGINAL  
(Red)

Chronology

On April 22, 1987, TATMs Michael Wilson, Marc Lucca and Sam Kennedy assisted Francisco Barba, EPA CERCLA Enforcement, with an assessment of the Eastern Diversified Metals NPL Site in Hometown, Schuylkill County, PA.

At approximately 1000 hours on April 22, 1987, TAT met EPA CERCLA Enforcement (Barba), PADER (Gary Schaefer), and representatives from the PRP Consultant (Theresa C. Jehn and Kerry Tyson).

TAT arrived onsite at 1020 hours. TAT estimated the pile of waste plastic insulation material to be approximately 3,200 to 4,000 feet in length, 500 to 700 feet in width, and 50 to 70 feet in height. The estimated volume of waste material stored at the site is 150,000,000 lbs.

TAT observed three major active leachate seeps, all from the southern slope of the waste pile. All leachate and surface water were observed to be running into a holding lagoon at the western end of the site. TAT was informed that the lagoon was lined with 40 mil PVC liner material. Diversion ditches were observed along the entire northern length of the waste pile, and were channeling surface water around the pile and into the water treatment plant west and downslope of the holding lagoon.

TAT set up four (4) air monitoring stations near the waste pile to determine if any hazardous chemicals from the leachate were present. TAT also sampled the nearby stream, located south of the waste pile. TAT observed evidence of motorbike riding on the waste piles, and campfires just on the other side of the stream.

AR400012

Roy F. Weston, Inc.

SPILL PREVENTION & EMERGENCY RESPONSE DIVISION

In Association with ICF Technology Inc., C.C. Johnson & Associates, Inc., Resource Applications, Inc., Geo/Resource Consultants, Inc., and Environmental Toxicology International, Inc.

Diversified Metals Trip Report  
July 31, 1987  
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Sampling stations were as follows:

<u>STATION #</u>	<u>LOCATION</u>	<u>MATRIX</u>
AS-1	Main Leachate Seep	Air
AS-2	Downwind of Lagoon	Air
AS-3	Southwest end of Site	Air
AS-4	Northwest end of Site	Air
SW01	Downstream of Site	Water
SW02	Upstream of Site	Water
LS01	Main Leachate Sediment	Sediment
LW01	Main Leachate Seep	Water

ORIGINAL  
(Red)

Other Observations

TAT observed signs of past overflows from the holding lagoon along the southern spillway and into the adjacent stream. Due to concerns about the design of the holding lagoon, TAT requested a copy of the PADER-approved specification plans for the lagoon and treatment plant. The purpose was to review the ability of the entire system to channel, hold and treat surface waters onsite resulting from a 100-year flood.

Conclusions

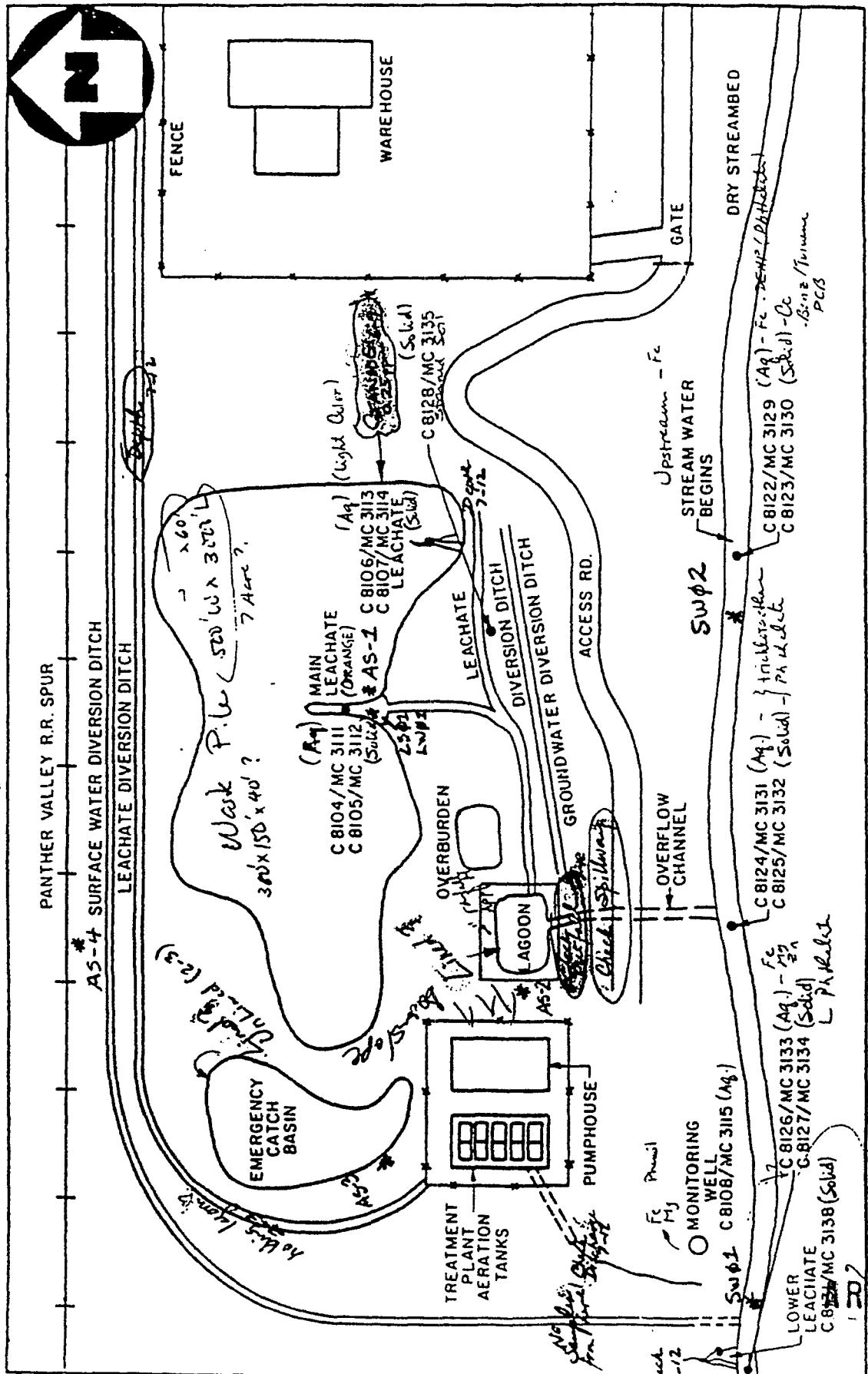
Due to evidence of trespassing on the site, and the potential for direct contact with the leachate seeps, it is recommended that access to the site be restricted through the installation of fencing and upgrading of present site security measures.

Based on the results from the air monitoring performed, it appears that the odors from the leachate are of a nuisance type, and pose no threat to public health if access to the site is restricted.

MW/djt

Attachment: Sampling Results

AR400013



SAMPLE LOCATION MAP

(NO SCALE)

EASTERN DIVERSIFIED METALS, HOMETOWN, PA.



CLIENT/SUBJECT	EPA E. D. Metals			SHEET _____ of _____
TASK DESCRIPTION	Lab Results (Waters)			W.O. NO. _____
PREPARED BY	(initials)	DEPT	TAT	DATE 5/22
MATH CHECK BY		DEPT		DATE
METHOD REV. BY		DEPT		DATE
				APPROVED BY
				DEPT _____ DATE _____

CH212 - upstream - All BDL

CH213 - downstream - All BDL

CH219

ORIGINAL  
(Red)

AR400015

Conversion Formula of laboratory results for air samples taken at Eastern Diversified Metals in Hometown, Schuylkill Co., PA.

$$\frac{\text{Lab results (Total mg)}}{\text{Volume of air (liters)}} \times \frac{1 \text{ liter}}{1,000 \text{ cc}} \times \frac{1,000,000 \text{ cubic cm (cc)}}{1 \text{ cubic meter}}$$

This formula converts the lab results from total milligrams to milligrams per cubic meter.

ORIGINAL  
(Red)

AR400016

22314

Media: CHARCOAL TUBES

Special Instr: CASE 2896C: REGION III: 21 DAY TURN-Around; NiOSH P+Com 1a7 Method.

Log in Date: 27-APR-87

Job No.: 40714-17

P.O. No.: ALL SAS

## Analyses Requested

Lab Number	Sample Description	Air Vol.	Acetone Units (mg/m <sup>3</sup> )	Benzene Units (mg/m <sup>3</sup> )	Carbon		
					Tetrachloroide Units (mg/m <sup>3</sup> )	Total mg	Chloroform Units (mg/m <sup>3</sup> )
541577	CH 214 APR228701	<0.005	<0.027	<0.048	<0.03	<0.11	<0.007
541578	CH 215 APR228702	<0.005	<0.027	<0.04	<0.03	<0.11	<0.038
541579	CH 216 APR228703	<0.005	<0.027	<0.04	<0.048	<0.03	<0.007
541580	CH 217 APR228704	<0.005	<0.027	<0.034	<0.048	<0.02	<0.007
541581	CH 251 APR2287 TRIP BLANK	<0.005	<0.027	<0.004	<0.048	<0.02	<0.007
541582	CH 262 APR2287 UT-1 SPIKE	<0.005	<0.027	<0.004	<0.048	<0.02	<0.007
541583	CH 268 APR2287 UT-2 SPIKE	<0.005	<0.027	<0.004	<0.048	<0.02	<0.007
541584	C 4313 APR2287 BLANK	<0.005	<0.027	<0.004	<0.048	<0.11	<0.038
Comments:							
Analyst: Darlene Hallard							
Date Comp: 5/7/87							
AR	Q.C. Blank:						
+	Q.C. 1:	0% at 7.86mg	121% at -8.74mg	101% at -8.74mg	-8.74	121% at -8.74mg	103% at 14.94g
0	Q.C. 2:	Vorreated	Corrected	Corrected	Corrected	not corrected	not corrected
0	Method:	PCAP 137	PPS	PPS	PPS	PPS	PPS
1	L.O.D.:	0.0005mg	0.0004mg	0.02mg	0.02mg	0.007mg	0.007mg



**Media:** CHARCOAL TUBES  
**Special Instr:** CASE 2896C: REGION III; 21 DAY TURN

VH 22214

Log in Date: 27-APR-87

Job No.: 40714-17 TAT calculations performed  
 P.O.No.: ALL SAS by Sam Kennedy *Handwritten*

Tel No.: (703) 557-2490

Analyses Requested		Styrene			Ethylene			Tetrachloro-			1,1,2-Trichloro-		
Lab Number	Sample Description	Air Vol.	Units	Units	Units	Units	ethane	Units	ethane	Units	ethane	Units	
		(mg/m <sup>3</sup> )											
541577	CH 214 APR228701	<0.004	<0.033	<0.003	<0.036	<0.003	<0.016	<0.003	<0.016	<0.003	<0.016	<0.003	
541578	CH 215 APR228702	<0.004	<0.033	<0.003	<0.036	<0.003	<0.016	<0.003	<0.016	<0.003	<0.016	<0.003	
541579	CH 216 APR228703	<0.006	<0.033	<0.003	<0.036	<0.003	<0.016	<0.003	<0.016	<0.003	<0.016	<0.003	
541580	CH 217 APR228704	<0.004	<0.033	<0.003	<0.036	<0.003	<0.016	<0.003	<0.016	<0.003	<0.016	<0.003	
541581	CH 251 APR2287 TRIP BLANK	<0.006	<0.033	<0.003	<0.036	<0.003	<0.016	<0.003	<0.016	<0.003	<0.016	<0.003	
541582	CH 267 APR2287 UT-1 SPIKE												
541583	CH 268 APR2287 UT-2 SPIKE												
541584	C 4313 APR2287 BLANK	<0.004	<0.033	<0.003	<0.036	<0.003	<0.016	<0.003	<0.016	<0.003	<0.016	<0.003	

Comments: Janina Challa

Analyst:	
Date Comp:	5/1/87
Q.C. Blank:	Paradise
Q.C. 1:	31% at 9.04ug
Q.C. 2:	not corrected
Method:	PACMM 127
L.O.D.:	0.006 mg
	0.003 mg

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SAS 2896C - 013-03

048

Charged      Approved

080482 JF

Special Instr: CASE 2896C: REGION 1111.21 DAY TURN  
 Job No.: 40714-17 TAT calculations from ms forms/m  
 P.O. No.: ALL SAS performed by Samuel K. Kennedy  
 Tel No.: (703) 557-2490

Analyses Requested		Trichloroethylene		Toluene		Xylylene		O-Dichlorobenzene	
Lab Number	Sample Description	Alt Vol.	Units	Units	Units	Units	Units	Units	Units
541577	CH 214 APR228701	<0.016	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				
541578	CH 215 APR228702	<0.008	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				
541579	CH 216 APR228703	<0.003	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				
541580	CH 217 APR228704	<0.003	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				
541581	CH 251 APR2287 TRIP BLANK	<0.002	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				
541582	CH 267 APR2287 UT-1 SPIKE	<0.003	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				
541583	CH 268 APR2287 UT-2 SPIKE	<0.002	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				
541584	CH 4313 APR2287 BLANK	<0.003	(mg/m <sup>3</sup> )	0.003 mg	0.003 mg				

Comments:

Analyst: Lawrence C. Hall  
 Date Comp: 5/7/87  
 Q.C. Blank: Q.C. 1: 0% at 14.65ug. 100% at 84ug 77% at 13.05ug  
 Q.C. 2: corrected not corrected not corrected  
 Method: DICAM 127  
 L.O.D.: 0.003 mg 0.003 mg 0.003 mg

Charged 000 Approved 000

080482 Jd

VA 22314

Alexandria.

Log In Date: 27-APR-87

Media: CHARCOAL TUBES

Special Instr: CASE 2896C: REGION III: 21 DAY TEST

Job No.: 40714-17 P.O. No.: ALL SAS Tel No.: (703) 557-2490

Part of TAT calculations from 20 ms/n performed by Samuel K. Kennedy

Analyses Requested		F-Dichlorobenzene in Dichlorobenzene			Total Dehalobenzene		
Lab Number	Sample Description	Air Vol.	Units	Units	Units	Units	Units
541577	CH 214 APR228701	<0.003	(mg)	(mg/m <sup>3</sup> )	TOTAL <0.003	(mg)	(mg/m <sup>3</sup> )
541578	CH 215 APR228702	<0.003	(mg)	(mg/m <sup>3</sup> )	0.036	<0.009	<0.05
541579	CH 216 APR228703	<0.003	(mg)	(mg/m <sup>3</sup> )	0.036	<0.009	<0.05
541580	CH 217 APR228704	<0.003	(mg)	(mg/m <sup>3</sup> )	0.036	<0.009	<0.05
541581	CH 251 APR2287 TRIP BLANK	<0.003	(mg)	(mg/m <sup>3</sup> )	0.036	<0.009	<0.05
541582	CH 267 APR2287 UT-1 SPIKE	<0.003	(mg)	(mg/m <sup>3</sup> )	0.036	<0.009	<0.05
541583	CH 268 APR2287 UT-2 SPIKE	<0.003	(mg)	(mg/m <sup>3</sup> )	0.036	<0.009	<0.05
541584	CH 4313 APR2287 BLANK	<0.003	(mg)	(mg/m <sup>3</sup> )	0.036	<0.009	<0.05
Comments:		Dana and Hallal					
Date Comp:		5/1/87					
Q.C. Blank:		841 at 1388 mg					
Q.C. 1:		80% at 12.4ug					
Q.C. 2:		Corrected					
Method:		TLC/AM121					
L.O.D.:		0.003 mg					
L.O.D.:		0.009 mg					

052

 Charged  
 Approved

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JY  
080482

SAS 2896C-013-05